

Insects of Samoa, a Review

BY E. H. BRYAN, JR.

(Presented at the meeting of October 2, 1930)

"Insects of Samoa and other Samoan terrestrial Arthropoda" is the title of a series of publications being printed by the British Museum (of Natural History), London. When complete it will consist of eight volumes, each made up of several fascicles. The series is largely on the specimens collected in Samoa by Messrs. P. A. Buxton and G. H. E. Hopkins, during the Expedition of the London School of Hygiene and Tropical Medicine to the South Pacific; together with all the Samoan material in the British Museum, and in the B. P. Bishop Museum, Honolulu. Most of the latter material was collected by O. H. Swezey in 1923 and E. H. Bryan in 1924. The fascicles completed to date are as follows:

Part I. Orthoptera and Dermaptera.

Fasc. 1. pp. 1-8, 1928. Dr. Alfredo Borelli, Dermaptera.

Fasc. 2. pp. 9-58, 51 figs. 1929. Dr. L. Chopard, Orthoptera.

Part II. Hemiptera.

Fasc. 1. pp. 1-45, 32 figs., 1927.

F. Muir, Fulgoroidea.

Prof. D. L. Crawford, Psyllidae (Chermidae).

F. Laing, Coccidae, Aphididae and Aleyrodidae.

Fasc. 2. pp. 47-80, 38 figs., 1928.

V. Lallemant, Cercopidae.

J. G. Myers, Cicadidae.

Prof. Teiso Esaki, Aquatic and Semi-aquatic Heteroptera.

Fasc. 3, pp. 81-162, 28 figs., 1930. W. E. China, Heteroptera.

Part III. Lepidoptera.

Fasc. 1. pp. 1-64, 4 pls., 1 fig., 1927.

G. H. E. Hopkins, Butterflies of Samoa and some neighboring island-groups.

Fasc. 2. pp. 65-116, 1927. Edward Meyrick, Micro-lepidoptera.

Fasc. 3. pp. 117-168, 1 pl., 2 figs, 1928. Louis B. Prout, Geometridae.

Part IV. Coleoptera.

Fasc. 1, pp. 1-66, 27 figs., 1927.

H. E. Andrewes, Carabidae.

A. Zimmermann, Dytiscidae.

M. Cameron, Staphylinidae.

A. d'Orchymont, Hydrophilidae.

G. J. Arrow, Clavicornia and Lamellicornia.

Fasc. 2, pp. 67-174, 1 pl., 39 figs., 1928.

K. G. Blair, Heteromera, Bostrychoidea, Malacodermata and Buprestidae.

R. H. Van Zwaluwenburg, Elateridae.

E. Fleutiaux, Melasidae (Eucnemidae).

Chr. Aurivillius, Cerambycidae.

R. Kleine, Brentidae.

Karl Jordan, Anthribidae.

R. C. L. Perkins, Proterhinidae.

Fasc. 3, pp. 175-215, 19 figs., 1929.

K. G. Blair, Throscidae.

S. Maulik, Chrysomelidae.

Fasc. 4, pp. 217-248, 13 figs., 1929.

C. F. C. Beeson, Platypodidae and Scolytidae.

Part V. Hymenoptera.

Fasc. 1, pp. 1-58, 1928, 33 figs.

R. C. L. Perkins and L. Evelyn Cheesman, Apoidea, Sphecoidea and Vespoidea.

Francis X. Williams, Larridae.

Dr. F. Santschi, Formicidae.

Part VI. Diptera.

Fasc. 1, pp. 1-21, 13 figs., 1927.

L. Falcoz, Streblidae et Nycteribiidae.

G. F. Ferris, Hippoboscidae.

Fasc. 2, pp. 23-108, 24 figs., 1928.

F. W. Edwards, Nematocera.

H. F. Barnes, Cecidomyiinae.

Fasc. 3, pp. 109-175, 25 figs., 1929.

Gertrude Ricardo, Stratiomyiidae, Tabanidae and Asilidae.

P. A. Buxton, A note on the larvae of four species of Stratiomyiidae.

- C. G. Lamb, Dolichopodidae.
 P. A. Buxton, Sarcophagidae.
 J. R. Malloch, Muscidae.
- Fasc. 4, pp. 177-213, 15 figs., 1929.
 J. E. Collin, Empididae and Pipunculidae.
 Frank M. Hull, Syrphidae.
 J. R. Malloch, Clusiidae (Heteroneuridae) and Sapromyzidae.
- Fasc. 5, pp. 215-237, 6 figs., 1930.
 J. R. Malloch, Ortalidae.
 J. R. Malloch, Calliphoridae.
- Part VII. Other orders of insects.
- Fasc. 1, pp. 1-44, 1 pl., 19 figs., 1927.
 Gerald F. Hill, Isoptera: Family Termitidae.
 Lt.-Col. F. C. Fraser, Odonata.
- Fasc. 2, pp. 45-76, 8 figs., 1928.
 R. J. Tillyard, Plectoptera.
 P. A. Buxton, Siphonaptera.
 Richard S. Bagnall, Thysanoptera.
- Fasc. 3, pp. 77-116, 2 pls., 35 figs., 1928.
 J. Waterston, Mallophaga.
 P. A. Buxton, Anoplura.
 Martin E. Mosely, Trichoptera.
 P. Esben-Petersen, Neuroptera.
 George H. Carpenter, Apterygota.
- Part VIII. Terrestrial Arthropoda other than insects.
- Fasc. 1, pp. 1-27, 2 pls., 13 figs., 1927.
 Harold G. Jackson, Isopoda Terrestria.
 P. A. Buxton, Scorpionoidea.
 A. Kastner, Pseudoscorpiones.
 Stanley Hirst, Acarina.
- Fasc. 2, pp. 29-78, 83 figs., 1929.
 C. Attems, Myriopoden (Myriopoda).
 Dr. Lucien Berland, Araignees (Araneida).

SUMMARY OF THE SPECIES ENUMERATED

Order and Family	Species	New Species	New Genera
Dermaptera			
Labiduridae	3		
Labiidae	5		
Chelisochidae	4		
Orthoptera			
Blattidae	22	3	1
Mantidae	1		
Phasgonuridae	10		
Gryllidae	36	15	3
Phasmidae	3		
Acrididae	7	2	
Hemiptera			
Cixiidae	9	4	
Delphacidae	19	3	
Tropiduchidae	3	2	
Meenoplidae	4	2	
Achilidae	3	1	
Derbidae	7	3	
Issidae	2		
Lophopidae	2	2	1
Ricaniidae	2		
Psyllidae	7	4	
Coccidae	37	1	
Aphididae	5		
Aleyrodidae	2	1	
Cercopidae	11	8	
Cicadidae	3	1	1
Velidae	1	1	
Gerridae	5	3	
Gelastocoridae	1		
Notonectidae	3	1	
Plataspidae	1		
Cydnidae	1		
Pentatomidae	8	1	
Coreidae	8	2	
Dysodiidae	5	4	1
Berytidae	1	1	
Lygaeidae	18	9	2
Pyrrhocoridae	2		
Tingitidae	1		1
Reduviidae	11	4	
Nabidae	3	1	
Cimicidae	1		
Lepidoptera			
Butterflies	28	3	(several new sub-spp.)
Pterophoridae	3		
Tortricidae	2	2	
Eucosmidae	18	10	

Order and Family	Species	New Species	New Genera
Gelechiidae	17	14	3
Agonoxenidae	1		
Cosmopterygidae	29	22	1
Carposinidae	2	1	
Orneodidae	1	1	
Carpomorphidae	2	2	
Heliodinidae	13	10	
Glyphipterygidae	7	5	1
Blastobasidae	2		
Hyponomeutidae	5	3	1
Gracilaridae	8	5	
Lyonetidae	18	12	
Tineidae	9	3	1
Geometridae	30	9	1
Coleoptera			
Carabidae	15	5	
Dytiscidae	7	2	
Staphylinidae	24	6	
Hydrophilidae	6	1	
Corylophidae	2		
Scaphidiidae	1		
Histeridae	4	1	
Nitidulidae	5	1	
Trogoitidae	2		
Cucujidae	14	3	
Mycetophagidae	3		
Colydiidae	14	4	
Cryptophagidae	1	1	
Phalacridae	1		
Erotylidae	3		1
Endomychidae	1		
Coccinellidae	5	1	
Dermestidae	2		
Lucanidae	6	3	
Scarabaeidae	7		
Tenebrionidae	22	5	1
Melandryidae	1	1	1
Anthicidae	1		
Mordellidae	8	5	
Rhipiphoridae	1		
Oedemeridae	5		
Ciidae	3	3	
Lyctidae	2		
Bostrychidae	3		
Anobiidae	1		
Lycidae	4	1	1
Melyridae	2	1	
Cleridae	3		
Rhipiceridae	1		
Buprestidae	5	1	

Order and Family	Species	New Species	New Genera
Elateridae	14	6	2
Melasidae			
(Eucnemidae)	9	7	2
Cerambycidae	35	14	2
Brentidae	2	2	
Anthribidae	15	10	2
Proterhinidae	1		
Throscidae	1	1	
Chrysomelidae	17	11	4
Platypodidae	2	1	
Scolytidae	34	18	
Hymenoptera			
Apidae	1		
Megachilidae	4	1	
Andrenidae	6	3	
Larridae	3	2	
Trypoxylonidae	5		
Mimesidae	1	1	
Vespidae	3		
Pompilidae	1	1	
Formicidae	39	2	
Diptera			
Streblidae	1	1	
Nycteribiidae	1	1	
Hippoboscidae	5	1	
Mycetophilidae	16	11	2
Cecidomyiidae	6	5	1
Scatopsidae	1		
Anisopodidae	1	1	
Culicidae	7		
Ceratopogonidae	16	11	
Chironomidae	14	6	
Psychodidae	6	4	1
Tipulidae	33	20	
Stratiomyidae	7	3	
Tabanidae	1		
Asilidae	4	2	
Dolichopodidae	9	7	1
Sarcophagidae	7		
Muscidae	25	12	
Empididae	5	4	
Pipunculidae	2	1	
Syrphidae	10	1	
Clusiidae			
(Heteroneuridae)....	2	2	1
Sapromyzidae	12	8	
Ortaliidae	14	7	3
Calliphoridae	7	1	

Order and Family	Species	New Species	New Genera
Isoptera			
Termitidae	7		
Odonata			
Coenagrionidae	13	6	
Aeschnidae	3	1	
Libellulidae	12	1	
Plecoptera	1	1	
Siphonaptera	3		
Thysanoptera	8	8	
Mallophaga	10	1	
Anoplura	5		
Trichoptera	1		
Neuroptera			
Myrmeleonidae	1		
Hemerobiidae	5	3	2
Chrysopidae	11	4	1
Thysanura	4	2	
Collembola	4	1	
Terrestrial Isopods	9	1	
Scorpionoidea	2		
Pseudoscorpiones	4	2	
Acarina	1	1	
Myriopoda	10		
Araneida	81	9	